

## Product datasheet for **MG210515**

### Mep1a (NM\_008585) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Mep1a (NM_008585) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                 |
| Symbol:                   | Mep1a                                    |
| Synonyms:                 | AI098089; AW107200; Mep-1; Mep-1a; Mep1  |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-AC-GFP (PS100010)                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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ORF Nucleotide  
Sequence:

>MG210515 representing NM\_008585  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGCAAGGAGGCTTGGCAGATCCAGTTCAATTTGCAATAATGCTTTGGATACAACCTGCGTGTCTTCTCT  
CACTGATTTTTCTGCCACATAGCAGCTGTATCGATTAAAGCATCTTTGAATGGATCTGATCACGATAC  
AGATGTTGGTGAACAGAAGGATATTTTCGAAATCAATTTAGTCGAGGCCTGAACCTCTTTCAAGGGGAC  
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TTCTGGCTGACAATCTGGAGCTGAATGCCAAAGGAGCCATCCTCCATGCCTTTGAGATGTTCCGCCTCAA  
GTCTTGTGTGGATTTCAAGCCCTACGAAGGGGAGAGTTCTGTATATCATCTTCCAGAACTTTCTGGGTGC  
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ACGAAAGCATCCCTACCATTACTACCAAGATCCCTGAGTTTAAACACCATCATTGGACAACCTCCCGGACTT  
CAGTGCCATTGATCTAATAAGACTGAATCGAATGTACAACCTGCACCGCAACACATACTCTGTTGGACCAC  
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TCACAAC TGAAAATTGCTCATGTGACACTCAATGAAGAAAAGAAATTTTCGCTATGTTTTCTGGGTACC  
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CAGTGGAAAACAGACAGGCCATAATGACCATCCTGGACCAGGAAGCTGATACCAGGAACAGGATGTCCTT  
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CCATCTCCACCAGCTGCTGAAGAGAAGAAATTTCTTAAAGGCGACAGCCTCATATTTTCGTGGACTT  
TAAAGACCTCACCCACTGAACCGGACTGAAGTTCAGCTTCAGCCAGAAGCACGATGCCAGAGGCCTC  
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AACGTAAGGGAAATGGCCAGCTGCAGGTGCGTCTCTGGGCACGCCTTTTCTACGCAGGGGAGCGCTGTC  
AGGCCATGCACGTGCACGGCAGCTTGTGGCCCTGCTCATTGGCTGCATCGCTGGCTTGATCTTCTTGAC  
CTTCGTACATTCTCTACCACCAACGAAAGCTGCGGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210515 representing NM\_008585  
 Red=Cloning site Green=Tags(s)

MARRLGRSSSF A I M L W I Q P A C L L S L I F S A H I A A V S I K H L L N G S D H D T D V G E Q K D I F E I N L A A G L N L F Q G D  
 I L L P R T R N A M R D P S S R W K L P I P Y I L A D N L E L N A K G A I L H A F E M F R L K S C V D F K P Y E G E S S Y I I F Q K L S G C  
 W S M I G D Q Q V G Q N I S I G E G C D F K A T I E H E I L H A L G F F H E Q S R T D R D D Y V N I W W D Q I I T D Y E H N F N T Y D D N T  
 I T D L N T P Y D Y E S L M H Y G P F S F N K N E S I P T I T T K I P E F N T I I G Q L P D F S A I D L I R L N R M Y N C T A T H T L L D H  
 C D F E K T N V C G M I Q G T R D D A D W A H G D S S Q P E Q V D H T L V G Q C K G A G Y F M F F N T S L G A R G E A A L L E S R I L Y P K  
 R K Q Q C L Q F F Y K M T G S P A D R F E V W V R R D D N A G K V R Q L A K I Q T F Q G D S D H N W K I A H V T L N E E K F R Y V F L G T  
 K G D P G N S S G G I Y L D D I T L T E T P C P A G V W T I R N I S Q I L E N T V K G D K L V S P R F Y N S E G Y G V G V T L Y P N G R I T  
 S N S G F L G L T F H L Y S G D N A I L E W P V E N R Q A I M T I L D Q E A D T R N R M S L T L M F T T S K N Q T S S A I N G S V I W D R  
 P S K V G V Y D K D C D C F R S L D W G W G Q A I S H Q L L K R R N F L K G D S L I I F V D F K D L T H L N R T E V P A S A R S T M P R G L  
 L L Q G Q E S P A L G E S S R K A M L E E S L P S S L G Q R H P S R Q K R S V E N T G P M E D H N W P Q Y F R D P C D P N P C Q N E G T C V  
 N V K G M A S C R C V S G H A F F Y A G E R C Q A M H V H G S L L G L L I G C I A G L I F L T F V T F S T T N G K L R Q

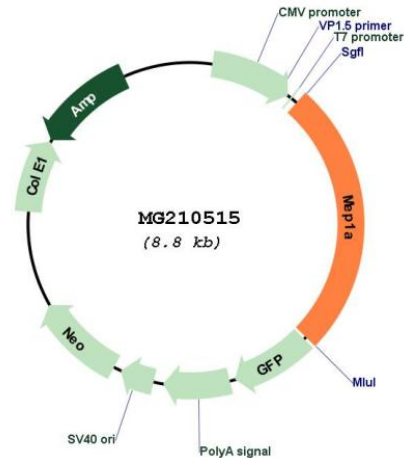
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_008585

**ORF Size:** 2280 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_008585.3](#)

**RefSeq Size:** 2937 bp

**RefSeq ORF:** 2283 bp

**Locus ID:** 17287

UniProt ID: [P28825](#)

Cytogenetics: 17 19.73 cM